

Processed Fishery Products

FRESH AND FROZEN

FISH FILLETS AND STEAKS. In 2002 the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 519.1 million pounds—39.2 million pounds more than the 479.9 million pounds in 2001. These fillets and steaks were valued at \$983.9 million. Alaska pollock fillets and blocks led all species with 304.1 million pounds—59 percent of the total. Production of groundfish fillets and steaks (see Glossary Section—Groundfish) was 382.7 million pounds.

FISH STICKS AND PORTIONS. The combined production of fish sticks and portions was 235.4 million pounds valued at \$288.6 million compared with the 2001 production of 232.2 million pounds valued at \$277.0 million

The total production of fish sticks amounted to 48.1 million pounds valued at \$52.0 million. The total production of fish portions amounted to 187.3 million pounds valued at \$236.6 million

BREADED SHRIMP. The production of breaded shrimp in 2002 was 148.5 million pounds valued at \$475.5 million, compared with the 2001 production of 152.2 million pounds valued at \$539.7 million.

FROZEN FISHERY TRADE. In 2002, stocks of frozen fishery products in cold storage were at a low of 342.7 million pounds on June 30 and a high of 416.0 million pounds on October 31. Cold storage holdings of shrimp products were at a high of 59.3 million pounds on November 30 and a low of 41.0 million pounds on May 31. Holdings of saltwater fillets and steaks reached a high of 79.5 million pounds on February 28 and were at a low of 67.3 million pounds on June 30. Holdings of blocks and slabs were at a high of 51.5 million pounds on January 31 and a low of 32.5 million pounds on May 31. Surimi reached a high of 24.5 million pounds on October 31 and was at a low of 11.1 million pounds on May 31. Analog products reached a high of 6.4 million pounds on June 30 and a low of 4.8 million pounds on July 31.

CANNED PRODUCTS

CANNED FISHERY PRODUCTS. The pack of canned fishery products in the 50 states, American Samoa, and Puerto Rico was 1.3 billion pounds valued at \$1.3 billion—a decrease of 319.0 million pounds and \$112.5 million compared with the 2001 pack. The 2002

pack included 950.6 million pounds valued at \$1.1 billion for human consumption and 364.5 million pounds valued at \$139.6 million for bait and animal food.

CANNED SALMON. The 2002 U.S. pack of salmon was 223.7 million pounds valued at \$295.6 million, compared with 184.7 million pounds valued at \$258.7 million packed in 2001.

CANNED SARDINES. The pack of Maine sardines (small herring) can not be shown due to the confidential nature of the data.

CANNED TUNA. The U.S. pack of tuna was 547.0 million pounds valued at \$675.3 million—an increase of 39.6 million pounds in quantity and \$17.3 million in value compared with the 2001 pack. The pack of albacore tuna was 208.1 million pounds comprising 38 percent of the tuna pack in 2002. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 338.9 million pounds.

CANNED CLAMS. The 2002 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 138.9 million pounds valued at \$117.4 million. The pack of whole and minced clams was 39.7 million pounds and accounted for 29 percent of the total clam pack. Clam chowder and clam juice was 91.5 million pounds and made up the majority of the pack.

OTHER CANNED ITEMS. The pack of pet food was 364.5 million pounds valued at \$139.6 million—a decrease of 411.1 million pounds compared with the 2001 pack.

INDUSTRIAL FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS. The value of the domestic production of industrial fishery products was \$260.0 million—an increase of \$3.3 million compared with the 2001 value of \$256.7 million.

FISH MEAL. The domestic production of fish and shellfish meal was 637.9 million pounds valued at \$139.7 million—a decrease of 6.0 million pounds but an increase of \$13.5 million compared with 2001. Fish meal production was 633.4 million pounds valued at \$139.4 million—a decrease of 2.5 million pounds but an increase of \$13.7 million from the 2001 production. Shellfish meal production was 4.5 million pounds—a decrease of 3.6 million pounds from the 2001 level.

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FISH OILS. The domestic production of fish oils was 210.9 million pounds valued at \$41.4 million—a decrease of 68.5 million pounds and \$6.2 million in value compared with 2001 production.

OTHER INDUSTRIAL PRODUCTS. Oyster shell products, together with agar-agar, animal feeds, crab and

clam shells processed for food serving, fish pellets, Irish moss extracts, kelp products, dry and liquid fertilizers, pearl essence, and mussel shell buttons were valued at \$78.9 million, compared with \$82.8 million in 2001-- a decrease of \$3.9 million

VALUE OF PROCESSED FISHERY PRODUCTS, 2001 AND 2002
(Processed from domestic catch and imported products)

Item	2001 (1)		2002	
	<u>Thousand dollars</u>	<u>Percent of total</u>	<u>Thousand dollars</u>	<u>Percent of total</u>
Edible:				
Fresh and frozen	6,257,192	77	5,559,865	77
Canned	1,110,426	14	1,148,279	16
Cured	183,774	2	142,682	2
Total edible	7,551,392	93	6,850,826	94
Industrial:				
Bait and animal food (canned)	289,941	4	139,618	2
Meal and oil	173,908	2	181,129	2
Other	82,770	1	78,886	1
Total industrial	546,619	7	399,633	6
Grand total	8,098,011	100	7,250,459	100

(1) Revised. Value is based on selling price at the plant.

U.S. PRODUCTION OF FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 1993-2002

Year	Fish sticks			Fish portions			Breaded shrimp		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
1993	67,959	30,826	67,975	206,165	93,516	313,195	111,489	50,571	316,722
1994	58,789	26,667	51,429	196,289	89,036	268,353	113,461	51,466	304,931
1995	74,066	33,596	73,478	251,217	113,951	356,518	100,522	45,596	299,355
1996	65,244	29,594	55,802	213,962	97,053	306,501	108,486	49,209	341,770
1997	69,167	31,374	64,298	195,554	88,703	285,348	117,471	53,284	334,939
1998	68,778	31,197	63,473	184,681	83,771	211,356	109,481	49,660	333,257
1999	65,019	29,492	63,396	203,279	92,207	269,125	119,149	54,046	351,891
2000	39,925	18,110	42,549	182,736	82,889	233,368	121,399	55,066	375,453
2001	43,014	19,511	41,539	189,186	85,814	235,460	152,205	69,040	539,705
2002	48,064	21,802	51,988	187,292	84,955	236,625	148,456	67,339	475,485

Processed Fishery Products

PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 2001 AND 2002

Species	2001 (1)			2002		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fillets:						
Amberjack	109	49	421	124	56	446
Anglerfish	1,981	899	5,526	1,355	615	3,582
Bluefish	234	106	662	250	113	678
Cod	40,099	18,189	123,250	50,912	23,094	155,463
Cusk	70	32	240	66	30	214
Dolphin	3,717	1,686	15,437	4,291	1,946	14,852
Drum	7	3	29	10	5	43
Flounders	29,898	13,562	74,280	28,675	13,007	76,973
Groupers	2,866	1,300	18,600	1,868	847	13,243
Haddock	6,330	2,871	27,088	6,993	3,172	28,845
Hake	14,458	6,558	10,073	13,955	6,330	10,943
Halibut	3,480	1,579	17,737	2,438	1,106	14,466
Lingcod	236	107	629	224	102	594
Marlins	160	73	680	78	35	458
Ocean perch:						
Atlantic	399	181	1,213	411	186	1,152
Pacific	1,751	794	3,930	1,332	604	2,992
Pollock:						
Atlantic	2,462	1,117	7,539	4,924	2,234	14,803
Alaska	271,253	123,040	296,455	304,119	137,947	326,664
Rockfishes	7,265	3,295	16,584	8,298	3,764	18,269
Sablefish	92	42	455	211	96	1,028
Salmon	36,477	16,546	94,850	32,677	14,822	90,762
Sea bass	460	209	3,090	601	273	3,953
Sea trout	177	80	757	198	90	795
Shark	544	247	1,341	487	221	1,014
Snapper	995	451	6,588	949	430	5,886
Swordfish	3,796	1,722	23,611	3,655	1,658	23,529
Tilapia	1,170	531	3,402	911	413	2,547
Tuna	6,922	3,140	48,449	6,374	2,891	40,785
Wahoo	155	70	908	155	70	1,030
Whitefish	284	129	894	272	123	879
Wolffish	76	34	222	86	39	197
Unclassified	12,321	5,589	40,393	17,877	8,109	58,162
Total	450,244	204,229	845,333	494,776	224,429	915,247
Steaks:						
Halibut	6,583	2,986	26,173	7,334	3,327	29,033
Salmon	2,154	977	7,105	2,952	1,339	8,394
Swordfish	1,771	803	7,496	2,197	997	8,486
Tuna	3,835	1,740	11,854	4,766	2,162	14,891
Unclassified	15,283	6,932	15,744	7,074	3,209	7,875
Total	29,626	13,438	68,372	24,323	11,033	68,679
Grand total	479,870	217,668	913,705	519,099	235,462	983,926

(1) Revised

Note:--Some fillet products were further processed into frozen blocks.

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 2001 AND 2002

Species	Pounds per case	2001 (1)			2002		
		Standard cases	Thousand pounds	Thousand dollars	Standard cases	Thousand pounds	Thousand dollars
For human consumption:							
Fish:							
Herring	23.4	(5)	(5)	(5)	(5)	(5)	(5)
Salmon:							
Chinook	44.25	4,158	184	321	3,819	169	340
Chum	44.25	202,034	8,940	6,631	149,966	6,636	5,030
Pink	44.25	2,856,294	126,391	136,385	3,539,232	156,611	142,721
Coho	44.25	15,141	670	1,360	43,910	1,943	3,076
Sockeye	44.25	1,096,090	48,502	114,018	1,317,333	58,292	144,424
Total salmon		4,173,718	184,687	258,715	5,054,260	223,651	295,591
Specialties	48	15,000	720	5,597	15,583	748	5,540
Sardines, Maine	23.4	(5)	(5)	(5)	(5)	(5)	(5)
Tuna: (2)							
Albacore:							
Solid	18	8,501,778	153,032	314,171	10,009,222	180,166	317,088
Chunk	18	1,724,389	31,039	57,187	1,549,167	27,885	38,930
Total albacore		10,226,167	184,071	371,358	11,558,389	208,051	356,018
Lightmeat:							
Solid	18	391,389	7,045	9,229	1,001,278	18,023	19,374
Chunk	18	17,571,333	316,284	277,408	17,827,278	320,891	299,950
Total lightmeat		17,962,722	323,329	286,637	18,828,556	338,914	319,324
Total tuna		28,188,889	507,400	657,995	30,386,944	546,965	675,342
Specialties	48	563	27	231	208	10	88
Other	48	650,833	31,240	46,177	662,375	31,794	39,421
Total fish	--	33,029,002	724,074	968,715	36,119,371	803,168	1,015,982
Shellfish:							
Clam and clam products: (3)							
Whole and minced	15	2,777,400	41,661	74,561	2,646,800	39,702	63,824
Chowder and juice	30	2,554,433	76,633	42,824	3,048,533	91,456	46,887
Specialties	48	165,604	7,949	7,134	158,917	7,628	6,719
Total clams	--	5,497,438	126,243	124,519	5,854,250	138,786	117,430
Crabs, natural	20	308	6	110	1,077	21	269
Lobster meat and specialties	48	8,292	398	538	6,479	311	457
Oyster, specialties	48	11,896	571	816	8,292	398	111
Shrimp, natural (4)	6.75	235,852	1,592	10,098	260,000	1,755	8,807
Other	48	114,667	5,504	5,630	127,771	6,133	5,223
Total shellfish	--	5,868,451	134,314	141,711	6,257,869	147,404	132,297
Total for human consumption	--	38,897,453	858,388	1,110,426	42,377,240	950,572	1,148,279
For bait and animal food	48	16,160,375	775,698	289,941	7,594,708	364,546	139,618
Grand total	--	55,057,828	1,634,086	1,400,367	49,971,948	1,315,118	1,287,897

(1) Revised.

(2) Flakes included with chunk.

(3) "Cut out" or "drained" weight of can contents are given for whole or minced clams, and net contents for other clam products.

(4) Drained weight.

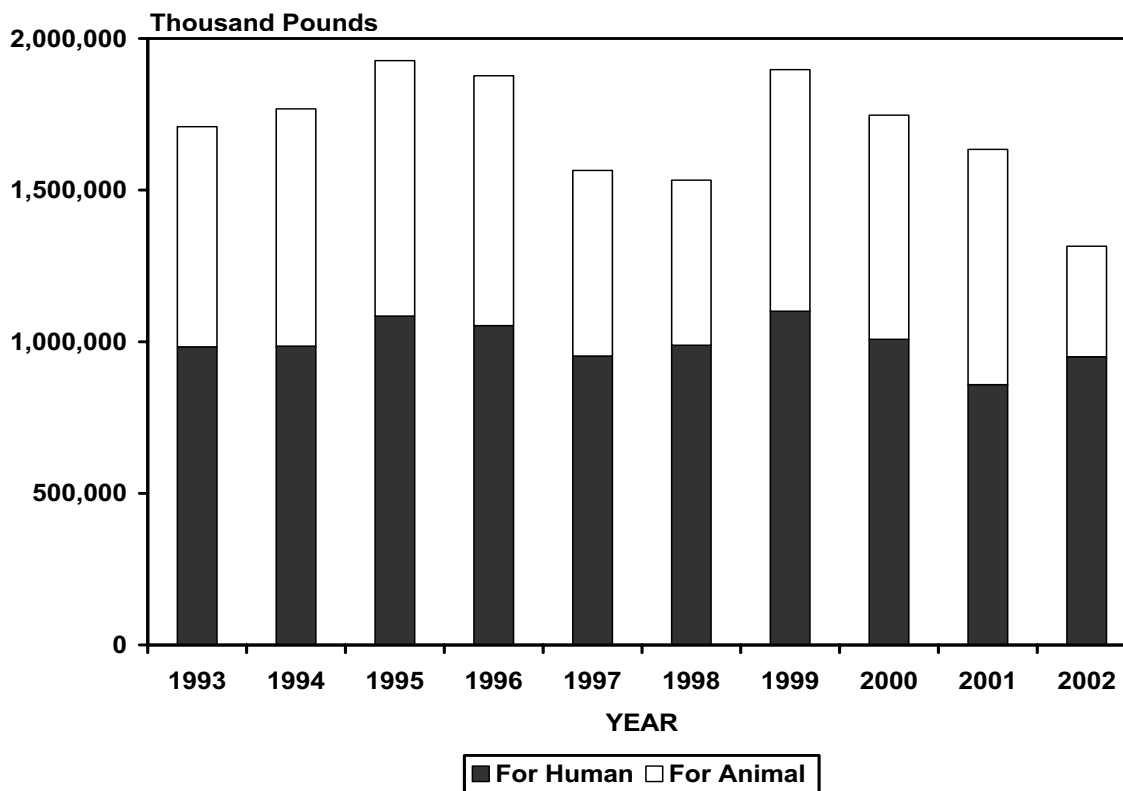
(5) Confidential included with 'Other.'

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, 1993-2002

Year	For human consumption			For animal food and bait			Total		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
1993	983,225	445,988	1,375,377	725,822	329,231	312,597	1,709,047	775,219	1,687,974
1994	985,675	447,099	1,470,234	782,272	354,836	325,264	1,767,947	801,935	1,795,498
1995	1,084,866	492,092	1,544,208	842,351	382,088	342,842	1,927,217	874,180	1,887,050
1996	1,052,909	477,596	1,428,937	824,094	373,807	370,945	1,877,003	851,403	1,799,882
1997	952,755	432,167	1,361,437	612,320	277,747	231,756	1,565,075	709,913	1,593,193
1998	988,693	448,468	1,425,564	544,328	246,906	349,765	1,533,021	695,374	1,775,329
1999	1,100,329	499,106	1,521,880	796,769	361,412	339,548	1,897,098	860,518	1,861,428
2000	1,008,098	457,270	1,334,012	738,821	335,127	291,992	1,746,919	792,397	1,626,004
2001	858,388	389,362	1,110,426	775,698	351,854	289,941	1,634,086	741,217	1,400,367
2002	950,572	431,177	1,148,279	364,546	165,357	139,618	1,315,118	596,534	1,287,897

Production of Canned Fishery Products, 1993-2002



Processed Fishery Products

PRODUCTION OF MEAL AND OIL, 2001 AND 2002

Product	2001			2002		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
Dried scrap and meal:						
Fish	635,942	288,461	125,679	633,449	287,331	139,406
Shellfish	8,047	3,650	567	4,491	2,037	293
Total, scrap and meal	643,989	292,111	126,246	637,940	289,368	139,699
Body oil, total	279,416	126,742	47,662	210,867	95,649	41,430

Note:--To convert pounds of oil to gallons divide by 7.75.

The above data includes products in American Samoa and Puerto Rico.

PRODUCTION OF INDUSTRIAL PRODUCTS, 1993-2002

Year	Scrap and meal		Marine animal oil		Meal and oil	Other industrial products	Grand total
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand pounds</u>	<u>Metric tons</u>			
					----- Thousand dollars -----		
1993	750,744	340,535	293,452	133,109	182,170	43,689	225,859
1994	807,833	366,431	291,882	132,397	186,222	61,992	248,214
1995	667,240	302,658	241,941	109,744	172,279	74,264	246,543
1996	643,124	291,719	248,399	112,673	187,968	85,583	273,551
1997	724,668	328,707	283,379	128,540	229,222	118,128	347,350
1998	613,434	278,252	222,697	101,015	172,574	60,800	233,374
1999	686,250	311,281	286,182	129,811	188,854	79,325	268,179
2000	638,244	289,506	192,348	87,248	135,815	83,023	218,838
2001	643,989	292,111	279,416	126,742	173,908	82,770	256,678
2002	637,940	289,368	210,867	95,649	181,129	78,886	260,015

Note:--Does not include the value of imported items that may be further processed.